

ATTORNEY DOCKET: P-7109

United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Medical Electrical Leads and Indwelling Catheters With Enhanced Biocompatibility and Biostability.

The specification of which

a. is attached hereto
 b. was filed on April 20, 1998 as application serial no. CA/063.327 and was amended on (if applicable) (in the case of a PCT-filed application) described and claimed in international no. filed and as amended on (if any), which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119/365 of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

a. no such applications have been filed.
 b. such applications have been filed as follows:

FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC §119

COUNTRY	APPLICATION NUMBER	DATE OF FILING	DATE OF ISSUE

ALL FOREIGN APPLICATIONS, IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S)

COUNTRY	APPLICATION NUMBER	DATE OF FILING	DATE OF ISSUE

I hereby claim the benefit under Title 35, United States Code, §120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §156(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

1**S 1.56 Duty of disclosure; fraud, striking or rejection of applications.**

(a) A duty of candor and good faith toward the Patent and Trademark Office rests on the inventor, on each attorney or agent who prepares or prosecutes the application and on every other individual who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application. All such individuals have a duty to disclose to the Office information they are aware of which is material to the examination of the application. Such information is material where there is substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent. The duty is commensurate with the degree of involvement in the preparation or prosecution of the application.

U.S. APPLICATION NUMBER	DATE OF FILING	STATUS (patented, pending, abandoned)	

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Harold R. Patton	Reg. No. 22,157	Dianne M.F. Plunkett	Reg. No. 35,649
Reed A. Duthler	Reg. No. 30,626	Michael J. Jaro	Reg. No. 34,472
Daniel W. Latham	Reg. No. 30,401	Curtis D. Kinghorn	Reg. No. 33,926
Michael B. Atlas	Reg. No. 30,606	Thomas F. Woods	Reg. No. 36,726
Peter Forrest	Reg. No. 33,235		

Please direct all correspondence in this case to: Thomas F. Woods
Medtronic, Inc.
7000 Central Avenue N.E.,
Minneapolis, Minnesota 55432
Telephone No. (612) 514-3652

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 101 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2	Full Name of Inventor Jesus	FIRST NAME Jesus	MIDDLE INITIAL W.	LAST NAME Casas-Bejar
0	RESIDENCE & CITIZENSHIP CITY Brooklyn Park		STATE OR FOREIGN COUNTRY Minnesota	COUNTRY OF CITIZENSHIP Peru
1	POST OFFICE ADDRESS 8968 Strafford Court North		CITY Brooklyn Park	STATE/ZIP/COUNTRY Minnesota 55443 US
SIGNATURE OF INVENTOR 201 <i>Jesus</i>				Date May 26, 1998
2	Full Name of Inventor Darrel	FIRST NAME Darrel	MIDDLE INITIAL F.	LAST NAME Untereker
0	RESIDENCE & CITIZENSHIP CITY Cedar		STATE OR FOREIGN COUNTRY Minnesota	COUNTRY OF CITIZENSHIP US
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SIGNATURE OF INVENTOR 202 <i>Al F. Untereker</i>				Date May 26, 1998
2	Full Name of Inventor Maura	FIRST NAME Maura	MIDDLE INITIAL G.	LAST NAME Donovan
0	RESIDENCE & CITIZENSHIP CITY St. Paul		STATE OR FOREIGN COUNTRY Minnesota	COUNTRY OF CITIZENSHIP US
3	POST OFFICE ADDRESS 459 Woodlawn Avenue		CITY St. Paul	STATE/ZIP/COUNTRY Minnesota 55105 US
SIGNATURE OF INVENTOR 203 <i>Maura G. Donovan</i>				Date May 27, 1998
2	Full Name of Inventor Zhao	FIRST NAME Zhao	MIDDLE INITIAL	LAST NAME Qinghong
0	RESIDENCE & CITIZENSHIP CITY Andover		STATE OR FOREIGN COUNTRY Minnesota	COUNTRY OF CITIZENSHIP China
4	POST OFFICE ADDRESS 1946 134th Lane		CITY Andover	STATE/ZIP/COUNTRY Minnesota 55304 US
SIGNATURE OF INVENTOR 204 <i>Qinghong Zhao</i>				Date June 3, 1998

2	Full Name of Inventor	FIRST NAME Brian	MIDDLE INITIAL C.A.	LAST NAME Fernandes
0	RESIDENCE & CITIZENSHIP	CITY Roseville	STATE OR FOREIGN COUNTRY Minnesota	COUNTRY OF CITIZENSHIP India
5	POST OFFICE ADDRESS	POST OFFICE ADDRESS 474 Woodhill Drive	CITY Roseville	STATE/ZIP/COUNTRY Minnesota 55113 US
SIGNATURE OF INVENTOR 205				Date <i>May 26, 1998</i>
2	Full Name of Inventor	FIRST NAME Timothy	MIDDLE INITIAL H.	LAST NAME Robinson
0	RESIDENCE & CITIZENSHIP	CITY Savage	STATE OR FOREIGN COUNTRY Minnesota	COUNTRY OF CITIZENSHIP US
6	POST OFFICE ADDRESS	POST OFFICE ADDRESS 4033 West 137th Street	CITY Savage	STATE/ZIP/COUNTRY Minnesota 55378 US
SIGNATURE OF INVENTOR 206				Date <i>May 26, 1998</i>
2	Full Name of Inventor	FIRST NAME Peter	MIDDLE INITIAL T.	LAST NAME Schroeder
0	RESIDENCE & CITIZENSHIP	CITY Minneapolis	STATE OR FOREIGN COUNTRY Minnesota	COUNTRY OF CITIZENSHIP US
7	POST OFFICE ADDRESS	POST OFFICE ADDRESS 731 Madison Street NE	CITY Minneapolis	STATE/ZIP/COUNTRY Minnesota 55413 US
SIGNATURE OF INVENTOR 207				Date <i>May 26, 1998</i>
2	Full Name of Inventor	FIRST NAME	MIDDLE INITIAL	LAST NAME
0	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
8	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE/ZIP/COUNTRY
SIGNATURE OF INVENTOR 208				Date

ASSIGNMENT RECORDATION FORM COVER SHEET

Attorney Docket No. P-7109

FORM PTO-1584

1-31-92

PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark OfficeTo the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jesus W. Casas-Bejar Brian C.A. Femandes
 Darrel F. Untereker Timothy H. Robinson
 Maura G. Donovan Peter T. Schroeder
 Qinghong Zhao

2. Name and address of receiving party(ies)

Name: MEDTRONIC, INC.Internal Address: M.S. 301Additional name(s) of conveying party(ies) attached? Yes NoStreet Address: 7000 CENTRAL AVENUE NORTHEAST

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: 5/26/98; 5/28/98; 5/27/98; 6/3/98; 5/26/98; 5/26/98; 5/26/98
 Additional name(s) & address(es) attached? Yes NoCity: MINNEAPOLIS State: MN Zip: 55432

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is filed April 20, 1998

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Thomas F. Woods

6. Total number of applications and patents involved: 1

Address: MEDTRONIC, INC.
7000 Central Avenue N.E.
M.S. 301
Minneapolis, Minnesota 55432

7. Total fee (37 CFR 3.41): \$40.00

Enclosed
 Authorized to be charged to deposit account

8. Deposit Account Number: 13-2546
 (Attach duplicate copy of this page)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Thomas F. Woods
 Name of Person Signing

Thom F. Woods
 Signature

6-10-98
 Date

OMB No. 0651-0011 (exp. 4/94)

Total number of pages including cover sheet, attachments and document: 10

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
 Box Assignments
 Washington, D.C. 20231

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ATTORNEY DOCKET: P-7109

ASSIGNMENT

WHEREAS, I/we Jesus W. Casas-Bejar, Darrel F. Untereker, Maura G. Donovan, Qinghong Zhao, Brian C.A. Fernandes, Timothy H. Robinson, Peter T. Schroeder is/are the inventor(s) of ***Medical Electrical Leads and Indwelling Catheters With Enhanced Biocompatibility and Biostability*** for which we have executed an application for filing in the United States Patent and Trademark Office preparatory to obtaining Letters Patent of the United States on April 20, 1998; therefor; and

WHEREAS, MEDTRONIC, INC. a corporation organized and existing under the laws of the State of Minnesota and having a principal place of business at 7000 Central Avenue N.E., Minneapolis, Minnesota 55432 hereinafter referred to as "Corporation," is desirous of acquiring the entire right, title and interest in and to said invention for the United States and for all foreign countries and in and to any and all foreign and domestic Letters Patent which may be granted therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest in and to said invention and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor including my rights under the International Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions or reissues of said Letters Patent that may be granted, the same to be held and enjoyed by Corporation for its own use and behalf and use and behalf of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made;

AND, for the consideration aforesaid, I materially represent to Corporation, its successors and assigns, that at the time of the execution and delivery of these presents, I am the sole lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above mentioned, and that the same are unencumbered, and that I have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, I hereby individually covenant and agree to and with Corporation, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications, including interference proceedings, is lawful and desirable, or that a reissue or extension of said Letters Patent is lawful and desirable, I, or my executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or extension of the same, without charge to Corporation, its successors or assigns, but at Corporation's expense.

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 26th day of May, 1998.

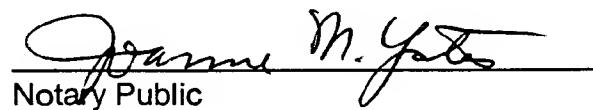


Jesus W. Casas-Bejar

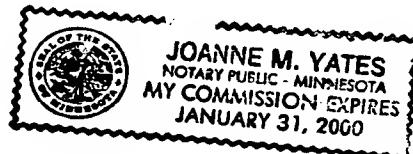
State of Minnesota)
) ss.
County of Anoka)

On this 26 day of May, 1998, before me personally appeared Jesus W. Casas-Bejar, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.



Notary Public



I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 28 day of May, 1998.

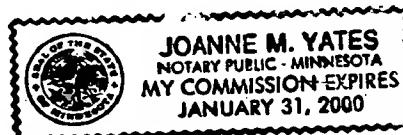
Darrel F. Untereker
Darrel F. Untereker

State of Minnesota)
) ss.
County of Anoka)

On this 28 day of May, 1998, before me personally appeared Darrel F. Untereker, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Joanne Yates
Notary Public



I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 27th day of May, 1998.

Maura G. Donovan
Maura G. Donovan

State of Minnesota)
) ss.
County of Anoka)

On this 27 day of May, 1998, before me personally appeared Maura G. Donovan, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

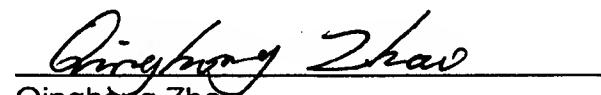
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Joanne M. Yates
Notary Public



I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 3rd day of June, 1998.

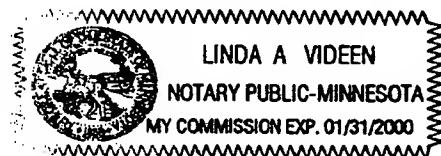

Qinghong Zhao

State of Minnesota)
) ss.
County of Anoka)

On this 3rd day of June, 1998, before me personally appeared Qinghong Zhao, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

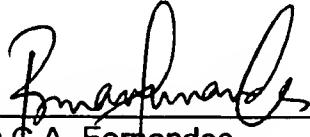
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.


Linda A. Videen
Notary Public



I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 26 day of May, 1998.



Brian C.A. Fernandes

State of Minnesota)
) ss.
County of Anoka)

On this 26 day of May, 1998, before me personally appeared Brian C.A. Fernandes, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.



Notary Public



I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 26 day of May, 1998.

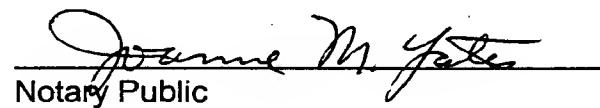


Timothy H. Robinson

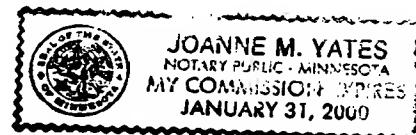
State of Minnesota)
) ss.
County of Anoka)

On this 26 day of May, 1998, before me personally appeared Timothy H. Robinson, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

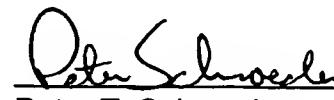


Notary Public



I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 26 day of May, 1998.



Peter T. Schroeder

State of Minnesota)
) ss.
County of Anoka)

On this 26 day of May, 1998, before me personally appeared Peter T. Schroeder, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.


Notary Public